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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/077,157	02/15/2002	Fumihiko Kimura	JP2000002US1	1271
23550 7	590 03/14/2005	EXAMINER		
HOFFMAN WARNICK & D'ALESSANDRO, LLC 3 E-COMM SQUARE			RAO, SHEELA S	
ALBANY, NY	•		ART UNIT	PAPER NUMBER
			2125	
			DATE MAILED: 03/14/2005	5

Please find below and/or attached an Office communication concerning this application or proceeding.

Application No.   Applicant(s)				(
Examiner   Sheels Rao   2125		Application No.	Applicant(s)	
Examiner   Sheels Rao   2125		10/077,157	OKANO, ET AL.	
Sheela Rao   2125	Office Action Summary			
- The MAILING DATE of this communication appears on the cover sheet with the correspondence address — Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  Extentions of time may be available under the provisions of 3 CFR 1.13(6). In one rent, however, may a reply be limited from the maining date of this communication.  Extentions of time may be available under the provisions of 3 CFR 1.13(6). In one rent, however, may a reply be limited from the maining date of this communication.  Failure to reply within the set or estanded prior does not received within the statutory within the statutory within the statutory period will gray and valid agrice SIG (9) MONTH'S from the maining date of this communication.  Failure to reply within the set or estanded prior does not be maining date of this communication. Failure to reply within the set or estanded prior them them emerits after the maining date of this communication, which is easier them the provision after the maining date of this communication, which is described by the Citical tension from them displacement. Set 3 T CFR 1.704(5).  **Status**  1) ■ Responsive to communication(s) filled on 28 December 2004.  2a) ■ This action is FINAL.  2b) ■ This action is formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  **Disposition of Claims**  4) ■ Claim(s) 1-20 is/are pending in the application.  4a) Of the above claim(s) is/are allowed.  5b) ■ Claim(s) 1-20 is/are pending in the application.  4a) Of the above claim(s) is/are allowed.  5c) □ Claim(s) 1-20 is/are rejected.  7c) □ Claim(s) 1-20 is/are rejected.  7c) □ Claim(s) 1-20 is/are rejected.  7d) □ Claim(s) 1-20 is/are rejected.  7e) □ Claim(s) 1-20 is/are rejected.  7e) □ Claim(s) 1-20 is/are rejected.  7e) □ Claim(s) 1-20 is/are abjected to by the Examiner.  10) □ The drawing(s) filled on 28 December 2004 is/are: a) ⊠ accepted or b) □ objected to by the	•			
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THE MAILING DATE OF THIS COMMUNICATION.  Extensions of mem pay be available under the providens of 3° CPR 1.13(a). In so event, however, may a reply be timely filed after DX (6) MONTHS from the mailing date of titls communication.  If the period to reply specified shows it less than their (90) days, a reply within the substrony minimum of their (30) days, will be considered friendy.  Failure to reply within the sol or extended period for reply will, by statuler, cause the application to become ABANDONED (38 U.S.C. § 133). Any reply received by the Office after than three months after the mailing date of this communication, even if timely filed, may reduce any extended patient term adjustment. See 37 CFR 1.704(b).  Status  1) Responsive to communication(s) filed on 28 December 2004.  2a) This action is FINAL.  2b) This action is non-final.  3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4) Claim(s) 1-20 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5 Claim(s) 1-20 is/are allowed.  6) Claim(s) 1-20 is/are allowed.  6) Claim(s) 1-20 is/are allowed.  7 Claim(s) is/are objected to by the Examiner.  9 The specification is objected to by the Examiner.  9 The specification is objected to by the Examiner.  10 The drawing(s) filed on 28 December 2004 is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11 The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.  Priority under 35 U.S.C. § 119  12 Al b) Some * c) Mone of:  1 Certified copies of the priority documents have been received.  2 Certified copies of the prio		-		
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U.S. Patent and Trademark Office PTOL-326 (Rev. 1-04)

#### **DETAILED ACTION**

- 1. Applicant's amendment and response filed on 28 December 2004 has been entered and considered.
- 2. Claims 1-20 are presented for examination and remain pending. Claims 1, 5, 7, 9, 13, 14, 17, 19, and 20 have been amended, all of which are independent claims.

### Response to Amendment

- The objection made to Figure 11 is withdrawn in light of the addition of the prior art legend.
- 4. The objection made to the drawings as not showing every feature of the claimed invention is withdrawn in light of the clarification and explanations given in Applicant's remarks.
- 5. The objective made to the title for not being descriptive is withdrawn, as a new title has been provided for the instant invention.
- 6. The objection made to the specification for not fully disclosing and describing the working features of the instant invention is withdrawn in light of the explanation and elucidation of the elements and features.
- 7. The rejection of claims 1-20 under 35 USC 112, first paragraph, for failing to comply with the enablement requirement is withdrawn in light of Applicant's statements within the remarks section of the amendment. The comments and details provided by Applicant clarify and explain the terms and enablement of the features and elements of the instant invention.
- 8. The rejection of claims 1-20 under 35 USC 102(e) as being anticipated by Harrison et al. (USPN 6,611,725 B1) is maintained and restated below.
- 9. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

10. Claims 1-20 are rejected under 35 U.S.C. 102(e) as being anticipated by Harrison, et al. (USPN 6,611,725 B1).

The patented invention by Harrison, et al. teaches of a "computer-implemented method and apparatus for processing a design model generated by a CAD system." In doing so, the reference discloses the use of a "generation means" which accesses stored data that details construction design and then processes the data to generate images and tags to associate the images with the model component. A drawing document or vector drawing data is also made which constitutes geometric data of the model and has tag data associated with the image. See column 2: lines 30, et seq.; Figures 1, 2A and 2B.

The computerized modeling system used by the patented invention comprises a CPU, a display device, and a storage device among other components. CAD software is used to execute the software applications of the apparatus. The software is stored within the system's storage device and allows the user to create and modify models to produce drawings and data. The display device is used to show graphical representations of the modeling design. See column 4: lines 35, et seq.; column 6: lines 47-53.

The drawing documents that are created from the three-dimensional models can be enhanced through the use of annotations added by the user using the computer based annotation tools. The association of the annotated data and the image elements provides linkage to components of the design model to better assist in designing and maintaining part information. For the reasons stated above, the limitations of the claimed invention is taught by the prior arts of record; thereby, rendering the instant claims unpatentable.

## Response to Arguments

11. Applicant's arguments filed on December 28, 2004 have been fully considered but they are not persuasive.

Applicant argues that the reference of prior art to Harrison et al. does not teach the "generation of a bi-directional relationship [between] information representing a correlation between design information used for a design operation, and geometry data that is obtained by the design operation." Examiner

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does not understand how the addition of "bi-directional" is further limiting since "correlation" was already in the claim language. The term correlation as defined by *Webster's Collegiate Dictionary* is "a relation existing between phenomena or things or between mathematical or statistical variables which tend to vary, be associated, or occur together in a way not expected on the basis of chance alone". The relation between variables or data or information is inherent in a database since the art of searching databases can be executed in either direction. When data between design information and geometry data is generated, a bi-directional relationship between the two types of data can easily be established since a correlation between the two forms of data exists. Furthermore, the disclosure by Harrison et al. teaches a hierarchical data structure that includes a parent-child relationship. Again, when carrying through a parent-child search a child-parent search can also be conducted due to their correlating nature. Hierarchical databases can be traversed and are thus inherently bi-directional. The patented disclosure by Harrison et al. clearly and fairly teaches and/or suggests the use of bi-directional relationships, thereby rendering the instant claims unpatentable. Therefore the rejection of instant claims 1-20 under 35 USC §102(e) is maintained.

#### Conclusion

12. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

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13. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sheela Rao whose telephone number is (571) 272-3751. The examiner can normally be

reached Monday - Friday from 9:00 am to 4:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Leo

Picard, can be reached on (571) 272-3749.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks Washington, D.C. 20231

or faxed to:

(703) 305-3718 for Official Communications

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3900.

J. P.P

Sheela S. Rao March 4, 2005

> LEO PICARD SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 2100

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